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The authors have used the method successfully in more than a thousand cases. All eggs, hookworms and others, stand out very clearly. Everything is stained except the eggs. These appear in the natural state because their membranes resist the stain, as they would not in an alcoholic solution, which enables one to run a slide through quickly with the certainty that no eggs are overlooked.

The lysol is not essential but is used as a precaution for disinfection. The method facilitates this disagreeable work, and is so sure that much of it can be turned over to less expert assistants. The clearness of differentiation saves much time.

Abstracted by V. A. LATHAM.

#### A CLEARING FLUID FOR CELLOIDIN.

Dissolve 1 oz. absolute phenol-crystals in a mixture of equal parts of oils of cedar and bergamot, using gentle heat to hasten the solution. Sections may be cleared in this direct from ordinary methylated spirit. It can be used several times.

V. A. L.

#### BOUIN'S FLUID: A GOOD ALL-ROUND FIXING SOLUTION

Corrosive sublimate	40 grains
Water	4 ounces
Picric acid	60 grains
Formalin	8 ounces

Dissolve corrosive sublimate in hot water. When cold add picric acid, and then the formalin. Wash with water.

V. A. L.

#### MOUNTING ZOOPHYTES AND POLYZOA.

Fix and stain in any suitable way. Select suitable branches, place in a little vessel of oil of cloves or other clearing agent, but never let dry. Mount in sunken cell-slip without pressure or distortion. To do so *overflow* the cell, slowly slide the cover over the fluid, and put a clip on each edge of slide. If the clip bears on the center it may crack the cover, or when it is removed the cover may reassert its level and draw in a bubble of air. Larval stages of

crustaceans, young fishes, annelids, etc., may be put up in the sunken cells. Be sure to use colorless Canada Balsam in all cases, or the deeper parts will show yellow.

V. A. L.

#### HENNING'S SOLUTION FOR FIXING FLIES FOR SECTIONING.

This solution fixes, and softens the chitin. Imbedding should be rapid and brief. The washing should be done with iodised alcohol. Henning's solution:

Nitric Acid (c. p.)	16 parts
Chromic (.5% sol.)	16 parts
Corrosive Sublimate (Sat. sol. in 60% alc.)	24 parts
Abs. Alcohol	42 parts
Picric Acid (saturated watery sol.)	12 parts

V. A. L.

#### ILLINOIS BIOLOGICAL MONOGRAPHS

Under the general series of University Studies the Biological Department of the University of Illinois issues a double number of Volume I of the *Illinois Biological Monographs*. This number is entitled "A Revision of the Cestode Family Proteocephalidæ," by Dr. George R. LaRue. There will be four numbers per volume. The third number of the first volume will be "Studies on the Comparative Anatomy and Phylogeny of the Cestode Family Anoplocephalidæ," by H. Douthitt. Subscription price is \$3.00 yearly. The price of Dr. LaRue's paper is \$2.00. Address Manager University Studies, 321 Natural History Hall, Urbana, Illinois.

#### REVISION OF THE CESTODE FAMILY PROTEOCEPHALIDÆ.

LaRue (Ill. Biol. Monog. Vol. 1, Nos. 1 and 2, 1914) presents a discussion of the Cestodes of the Family Proteocephalidæ, including the genera *Proteocephalus* (29 species), *Choanoscolex* (1 species), *Corallobothrium*, *Crepidobothrium*, (1 species), *Acanthotania*, and *Ophiotania* (1 species). These infest the cold-blooded Vertebrates. They were formerly included in the old genus *Tania*. The chief